

Application No. 10/772,823
Docket No. 2000U042D1-CON2
Reply to Office Action Dated 12/09/2004

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A neat polymer comprising a unprocessed, untreated granular bimodal polyolefin comprising ethylene derived units and at least one comonomer unit selected from the group consisting of C₄ to C₁₂ α -olefin derived units; wherein sieved neat polymer fractions obtained from 35, 60 and 120 mesh sieve sizes have I₂ values that are within 40% of one another; characterized in that the WPR of the polymer is greater than 10 and less than 30.
2. (Original) The neat polymer of Claim 1, wherein the I₂ values of the polymer fractions are within 30% of one another.
3. (Original) The neat polymer of Claim 1, wherein the I₂ values of the polymer fractions are within 10% of one another.
4. (Original) The neat polymer of Claim 1, wherein the I₂ values of the polymer fractions are within 6% of one another.
5. (Original) The neat polymer of Claim 1, wherein the I₂ values of the polymer fractions are within 4% of one another.
6. (Original) The neat polymer of Claim 1, wherein sieved neat polymer fractions obtained from 18, 35, 60 and 120 mesh sieve sizes comprise greater than 90 % of the total weight of the neat polymer.
7. (Original) The neat polymer of Claim 1, further possessing an Mw/Mn value of from 1.5 to 70.

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8. (Original) The neat polymer of Claim 1, wherein the Mw/Mn values of sieved neat polymer fractions obtained from 18, 35, 60 and 120 mesh sieve sizes do not vary by more than 20 % relative to one another.
9. (Original) The neat polymer of Claim 1, wherein the Mw/Mn values of sieved neat polymer fractions obtained from 18, 35, 60 and 120 mesh sieve sizes do not vary by more than 10 % relative to one another.
10. (Original) The neat polymer of Claim 1, wherein the unprocessed, untreated granular bimodal polyolefin possesses a density of from 0.930 to 0.965 g/cc.
11. (Original) The neat polymer of Claim 1, wherein the unprocessed, untreated granular bimodal polyolefin possesses a density of from 0.910 to 0.940 g/cc.
12. (Original) The neat polymer of Claim 10, wherein the unprocessed, untreated granular bimodal polyolefin further possesses a I_{21} value of from 4 to 12 g/10 min.
13. (Currently amended) The neat polymer of Claim 10, wherein the unprocessed, untreated granular bimodal polyolefin ~~further~~ can be extruded at a rate of from greater than 17 lbs/hour/inch of die circumference.
14. (Original) The neat polymer of Claim 1, wherein the neat polymer is produced in a single gas phase reactor.
15. (Currently amended) The neat polymer of Claim 14 formed by the process of combining a catalyst component slurry is continuously ~~ecombined~~ combined with a catalyst component solution, followed by contacting with ethylene and α -olefins in a gas phase fluidized bed reactor; the slurry comprising an activator supported on a support material.